Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/04/2022 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124608	-1	1.55	124516	1.55
Blue	F	SSC	125000	123572	-2	2.88	124000	2.76
Blue	E	FITC	13602	13151	-4	2.37	365	13.9
Blue	D	PE	24891	24310	-3	1.86	574	10.7
Blue	B	PerCP-Cy5-5	33972	33007	-3	4.13	931	15.69
Blue	A	PE-Cy7	22865	22273	-3	13.97	468	33.9
Red	C	APC	47198	46227	-3	4.62	1581	12.02
Red	A	APC-Cy7	26454	24853	-7	20.92	700	22.53
Violet	B	V450	6737	6419	-5	3.44	429	12.01
Violet	A	V500	29317	28107	-5	2.95	946	8.1

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24079	2.7	538	3	N/A	N/A	Pass
Blue	F	SSC	55447	2.2	519	-2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	3	0.0390	41	Pass
Blue	D	PE	111	39.92	490	4	0.3938	314	Pass
Blue	B	PerCP-Cy5-5	145	43.61	584	5	0.0186	84	Pass
Blue	A	PE-Cy7	78	83.56	634	13	0.0211	5	Pass
Red	C	APC	332	26.42	574	2	0.0292	233	Pass
Red	A	APC-Cy7	130	41.18	561	10	0.0294	15515	Pass
Violet	B	V450	70	50.12	450	0	0.0476	1785	Pass
Violet	A	V500	108	31.28	469	0	0.0274	850	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.18	-31.71	0.99
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.12	13.90 - 20.86	N/A	N/A	29.98	30.34	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13832

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments